Claims

We claim:

1. A foamed milk system for creating foamed milk from a source of milk, a source of air, and a source of steam, comprising:

a milk inlet system for pressurizing the milk;

an air inlet system for pressurizing the air;

a mixing a rea to mix the pressurized milk, the pressurized air, and the steam; and

an expansion area to expand the mixture of the pressurized milk, the pressurized air, and the steam.

- 2. The foamed milk system of claim 1, wherein said milk inlet system comprises a peristaltic pump.
- 3. The foamed milk system of claim 2, wherein said milk inlet system comprises a disposable hose connecting the source of milk and said peristaltic pump.
- 4. The foamed milk system of claim 1, wherein the air inlet system comprises an air pump.
- 5. The foamed milk system of claim 1, further comprising a hose connector connecting said milk inlet system and said air inlet system.
- 6. The foamed milk system of claim 5, wherein said hose connector comprises a three-way valve.
- 7. The foamed milk system of claim 5, wherein said hose connector comprises a four-way valve.

- 8. The foam milk system of claim 5, wherein said hose connector comprises a plurality of barbed connections.
- 9. The foamed milk system of claim 5, wherein said milk inlet system comprises a disposable hose connecting said hose connector.
- 10. The foamed milk system of claim 5, wherein said air inlet system comprises a disposable hose connecting said hose connector.
- 11. The foamed milk system of claim 10, wherein said disposable hose comprises a microfilter positioned therein.
- 12. The foamed milk system of claim 10, wherein said disposable hose comprises one or more check valves positioned therein.
- 13. The foamed milk system of claim 5, further comprising a disposable hose connecting said hose connector and said mixing area.
- 14. The foamed milk system of claim 1, further comprising a steam hose connecting the source of steam and said mixing area.
- 15. The foamed milk system of claim 1, wherein said mixing area comprises a hollow nozzle block.
- 16. The foamed milk system of claim 15, wherein said mixing a rea comprises a mixture nozzle positioned within said hollow nozzle block.
- 17. The foamed milk system of claim 16, wherein said mixture nozzle comprises a plurality of protrusions positioned thereon.

- 18. The foamed milk system of claim 17, wherein said mixture nozzle comprises a plurality of orifice area positioned about said plurality of protrusions.
- 19. The foamed milk system of claim 16, wherein said mixture nozzle comprises a removable nozzle.
- 20. The foamed milk system of claim 1, further comprising a diffuser to gather the flow of the foamed milk to be dispensed.
- 21. The foamed milk system of claim 20, wherein said diffuser comprises a diffuser insert and a spout.
- 22. The foamed milk system of claim 1, further comprising a sanitation system.
- 23. The foamed milk system of claim 22, wherein said sanitation system comprises a source of hot water.
- 24. The foamed milk system of claim 23, wherein said sanitation system comprises a sanitation valve adjacent to said source of hot water so as to provide hot water to said mixing area and said expansion area.

- 25. A steamed milk system for creating steamed milk from pressurized milk and steam, comprising:
 - a mixing area to mix the pressurized milk and the steam;
- a pressurized milk inlet system for injecting the pressurized milk into the said mixing area;
 - a steam inlet system for injecting the steam into said mixing area;
- an expansion area to expand the pressurized milk and the steam to form a flow of steamed milk; and
 - a diffuser to gather the flow of the steamed milk to be dispensed.

26. A method of sanitizing a dispenser serving foamed milk from a source of pressurized milk and a source of pressurized air, the pressurized milk and the pressurized air being fed through a plurality of hoses and mixed together in a mixing nozzle, the method comprising:

providing a source of hot water;

connecting the source of hot water to one or more of the plurality of hoses;

flowing the hot water through the one or more of the plurality of hoses and the mixing nozzle;

disconnecting the source of hot water; and repeating the above steps on a predetermined schedule.

- 27. The method of claim 26, wherein said predetermined schedule comprises about every two (2) hours.
- 28. The method of claim 26, wherein the hot water comprises about 190 degrees Fahrenheit (about 87.8 degrees Celsius).
- 29. The method of claim 26, further comprising the steps of replacing the plurality of hoses on a second predetermined schedule.
- 30. The method of claim 29, wherein said second predetermined schedule comprises about daily.

31. A method for producing foamed milk from milk, air, and steam, comprising:

pressurizing the milk and the air;

injecting the pressurized milk, the pressurized air, and the steam into a mixing area; and

depressurizing the milk, air, and steam mixture to ambient pressure to create the foamed milk.